

# QAYAMAT KI PHYSICS

MUHAMMAD SHADAB

# Qayamat ki Physics

**Allahumma Salli wa Sallim Ala Sayyedina Muhammadiw wa Ala Sayyedina  
Aliyyuw wa Aalihi wa Sahbihi bee Adadi Sirril Qur'an**

## بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

يَسْأَلُونَكَ عَنِ السَّاعَةِ أَيَّانَ مُرْسَاهَا قُلْ إِنَّمَا عِلْمُهَا عِنْدَ رَبِّي لَا يُجَلِّيهَا لِوَقْتِهَا إِلَّا هُوَ ثَقُلَتْ فِي  
السَّمَاوَاتِ وَالْأَرْضِ لَا تَأْتِيكُمْ إِلَّا بَغْتَةً يَسْأَلُونَكَ كَأَنَّكَ حَفِيٌّ عَنْهَا قُلْ إِنَّمَا عِلْمُهَا عِنْدَ اللَّهِ وَلَكِنَّ  
أَكْثَرَ النَّاسِ لَا يَعْلَمُونَ

Ye Aapse Qayamat ki nisbat daryaft karte hain ki uske qayim hona ka  
waqt kab hai?

Farma den ki uska ilm to sirf Mere Rab ke paas hai, usey apne waqt par  
Us (Allah) ke siwa koi zaahir nahi karega.

**Wo aasmano aur zameen par bojhal hai. Wo tum par achanak  
aajayegi,**

ye log Aapse (is tarah) sawal karte hain goya Aap uski khoj me lage hue  
hain, farma den ki Uska Ilm to mahaz Allah ke paas hai lekin aksar log (is  
haqiqat ko) nahi jaante.

Surah A'raf 7:187

Qayamat par Imaan rakhna har musalman par farz hai. Aur modern science bhi guarantee ke saath kehti hai ke is kainat ka ek din khatma hokar he rahega. Lekin universr ki study ne science ko "End of Universe" ke kai scenarios bataye hain ke inme se kisi ek se kainat ek din khatam hojayegi.

Quran me Qayamat ke mechanism aur uske physics ka bada detail zikr hai. Quran-e-Pak batata hai ke Qayamat in chizon ka naam hai, jab ye saari baat ho to wo Qayamat hai.

- 1. Soor ka phoonka jaana.**
- 2. Palak jhapakne se kum waqt me earth aur saare insan khtam hojayenge.**
- 3. Aisa Zalzala jisse pura earth vibrate hone lage aur pahad udne lage**
- 4. Suraj ki roshani khatam hona dark hona**
- 5. Stars aur planets ka explode hona**
- 6. Har jagah black holes banna**
- 7. Aasmano ka pighle tambe ki tarah laal hona**
- 8. Aasmano ka Lapeta jana**
- 9. Aur fir Nayi Kainat ka banna.**

Science ke 4 scenarios hain jinse science ke mutabik Kainat ka khatma hosakta hai:

### **1. Big Rip**

## 2. Big Crunch

## 3. Big Freeze

## 4. Vacuum Decay

Ab inme se wohi Qayamat hain jinme upar diye gaye conditions puri hon. Ek baat jisko hamesha musalman ne zehan me rakhna chahiye magar nahi rakhta wo ye ke is Kainat me jo kuch bhi hota hai horaha hai ya hoga, wo sab kisi principle aur laws ke basis par he horaha hai jaise physical laws, etc. Allah ne Khud example diya ke parinde jo hawa me udte hain wo isliye ud paate hain kyunki Allah ne THAAME hue hai. Aaj hame pata hai ke birds laws of aerodynamics pe udet hain, isi ko study karke insan ne aeroplane banadiya! To Allah Ta'ala law of aerodynamics ko "Apne Thaamne" ki taraf mansub karraha hai, yaani matlab hua ke jo bhi hota hai, usko karne wali Zaat Allah ki hai magar Allah Ta'ala usko APNE BANAYE HUE KANOON ke mutabik karta hai. Science ki syudy haqiqat me Allah ke kanoon ki study hai. Is Kainat me koi chiz choo-mantar ki shakl me nahi hoti, har chiz ke piche koi process hai koi law hai koi principle hai. Agar musalman is baat ko bhul jaye to na wo Quran kabhi samjh sakta hai na science.

Ab science ke in alag alag scenarios ko dekhte hain ke wo kya hai aur unme se kaunsa scenario Islam ki batayi hui Qayamat ke description se fit hota hai.

## 1. BIG RIP

Aajse 6 arab saal pehle ek mysterious force jisko "Dark Energy" naam diya gaya, is Dark energy ne gravity ko overtake kiya aur universe ko bahot he zabardast speed se expand karna shuru kiya aur aaj tak expand karti jarahi hai. Ye expansion rate accelerate yaani badhti jarahi hai, agar hum koi chiz phenke to usi speed kum kum hoti jati hai, yehi assumption universe ke bareme bhi tha magar Adam Reiss aur team ne distant galaxies ke observation se pata kiya ke nahi, ye faster aur faster expand hoti jarahi hai, ye aisa hai jaise kisi ball ko phекne par uski speed kum hone ke bajaye badhti chali jaaye. Ye discovery me 1997-98 me hui aur 2011 me unko is discovery keliye physics ka Nobel Prize mila.

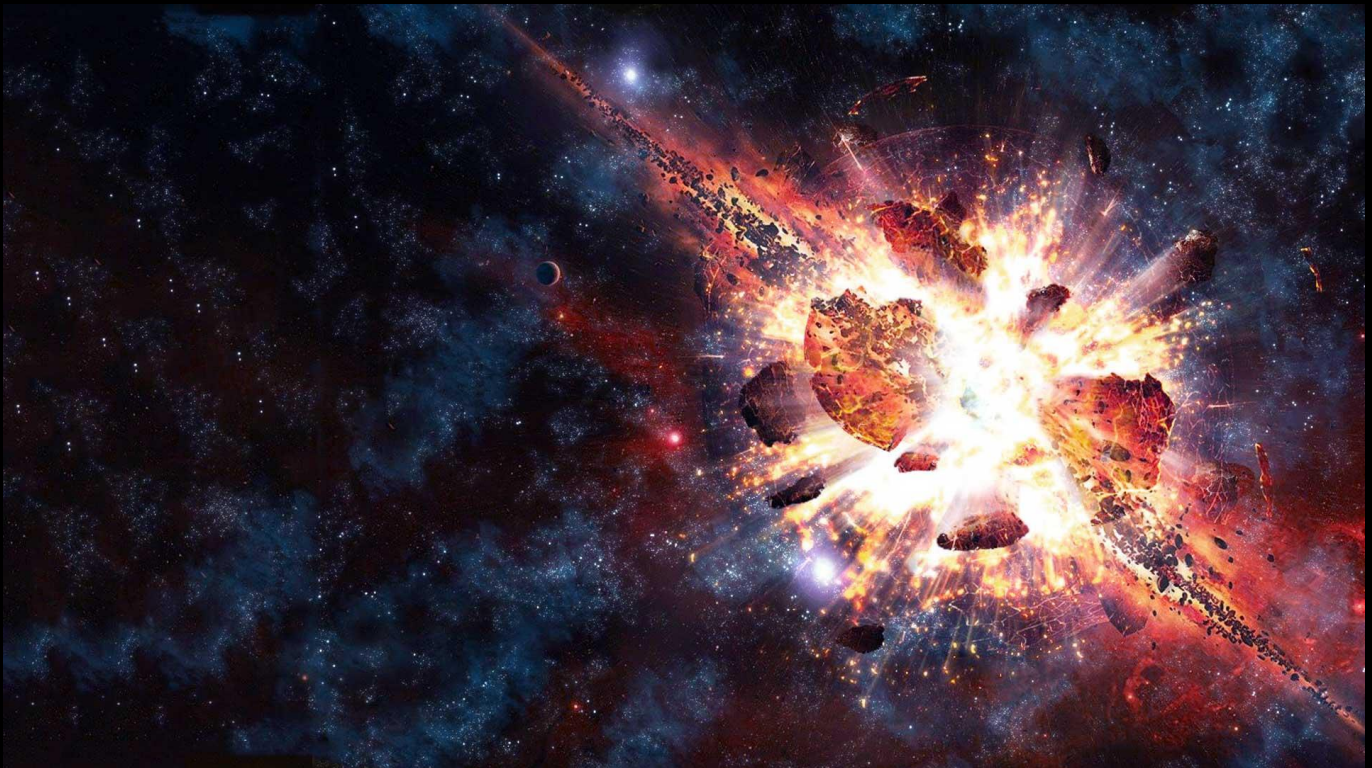
To Big Rip ke hisab se agar dark energy isi tarah expand karte chali jaaye to ek waqt aisa aagaye ke itna expand hogaya hoga universe ke literally phat jayega! Jab space time he phat jayega to universe ka kuch bhi nahi bachega. Ye hai Big Rip yaani universe phatna! Every single atom, proton, electron sab phat jayenge. To kya ye possible hai? Iske liye Dark energy ka aur zyada powerful hona zarurui hai jisko Phantom Dark Energy kehte hain. Isko pata karne keliye hame Dark Energy ke bareme janna hoga aur specifically uske "equation of state parameter:  $W$ " ko janna hoga. " $W$ " ratio hai density aur pressure us chiz ka jo universe ko faster and faster expand karta chala jaraha hai.

Einstein ke field equations ek term dete hain jisko Cosmological constant kehte hain. Ye dark energy ki value batata hai. To cosmological constant keliye  $W=-1$  hai aur Phantom Dark energy



keliye  $W < -1$ . Yaani agar  $W$  ki value  $-1$  se thoidi bhi kum ho to iska matlab hai Dark energy ki density itni badhti jayegi ke eventually universe ko khatm kardegi. Agar  $W$  ki value  $-1$  se kum ho to hum exactly calculate karsakte hain ke universe ka end kab hoga.

To  $W$  ki value kya hai? Plank satellite jo Cosmic Microwave Background ko map karne keliye space me bheja gaya hai wo  $W$  ko calculate karta hai aur wo value hai  $W = -1.028 \pm 0.032$ . Iska matlab hai " $W = -1$ " hai ya nahi ye abhi tak uncertain hai.  $0.032$  ye uncertainty hai. Yaani  $0.032$  se ye value  $+$  ya  $-$  hosakti hai. Ya ye just  $W = -1$  hai ya  $W = -1.060$ . To agar ye hai to isse Big Rip hoga lekin jaise ki hum calculate karsakte hain to kareeb se kareebtar Big Rip aajse 18800 karod saal baad hoga!





Qayamat insano pe aayegi, aur aajse 50 karod saal ke andar suraj itna bada aur garm hochuka hoga ke earth pe ka almost saara paani evaporate hogaya hoga. Earth 50 karod saal ke bahot pehle he rehne layak nahi bachegi. Aur scientific community bhi maanti hai ke Big Rip most likely possible nahi hai ya 18800 karod se bhi bahot bahot dur hai. Agar Big Rip he Qayamat hai to wo 18800 karod saal ya uske baad he hogi, usse pehle hona na mumkin hai aur jaise bataya ke Qayamat tak is Kainat me saare kaam unhi principles aur laws par honge jo aaj kaam karrahe hain kyunki Ye Allah ka Amr hai jaise ke Usne Quran me kai muqamat par farmaya.

Ab Big Rip ko kuch log Quran se jodte hain in Aayaat ke padhke:

وَالسَّمَاءَ بَنَيْنَاهَا بِأَيْدٍ وَإِنَّا لَمُوسِعُونَ

Aur aasmani kainat ko Humne badi quwwat ke zariye se banaya aur yakinan Hum (is kainat ko) wus'at aur failaaw dete jarahe hain (expansion of universe).

Surah Zariyat 51:47

وَإِذَا السَّمَاءُ كُشِطَتْ

Aur jab samawi tabqo ko FAAD kar apni jagaho se hata diya jayega.

Surah Takwir 81:11

فَإِذَا انشَقَّتِ السَّمَاءُ فَكَانَتْ وَرْدَةً كَالدِّهَانِ

55:37: Fir jab aasman phat jayenge aur jaley hue tel (ya laal chamde) ki tarah gulab ki tarah laal hojayenge.

Surah Rahman 55:37

يَوْمَ تَكُونُ السَّمَاءُ كَالْمُهْلِ

Aur jis din aasman pighle hue taambe ki tarah hojayega.

Surah Ma'arij 70:8

يَوْمَ نَطْوِي السَّمَاءَ كَطَيِّ السِّجِلِّ لِلْكُتُبِ كَمَا بَدَأْنَا أَوَّلَ خَلْقٍ نُعِيدُهُ وَعَدَّا عَلَيْهَا إِنَّا كُنَّا فَاعِلِينَ

Us din Hum (saari) samawi kainat ko is tarah lapet denge jaise likhe hue kagaz ho lapet diya jata hai, jis tarah Humne (kainat ko) pehli baar paida kiya tha, Hum (uske khatm hojane ke baad) usi AMAL-E-TAKHLEEQ KO DOHRAENGE. Ye wada pura karna Humne laazim karliya hai. Hum (ye i'adah) zarur karnewale hain.

Surah Ambiya 21:104

Ye Aayaat Qayamat ke sirf ek 2 baato ko match karti hai ke Aasman Kainat phat jayegi aur stars aur planets phat jayenge aur aasman pighle hue taambe ki tarah colour hojayega.

Big Rip me na earth vibrate hoga na koi planetwide zalzala aayega, na insan zameen pe hoga, na black holes banenge aur most importantly Big Rip ke baad ek nayi Kainat banne ka koi chance

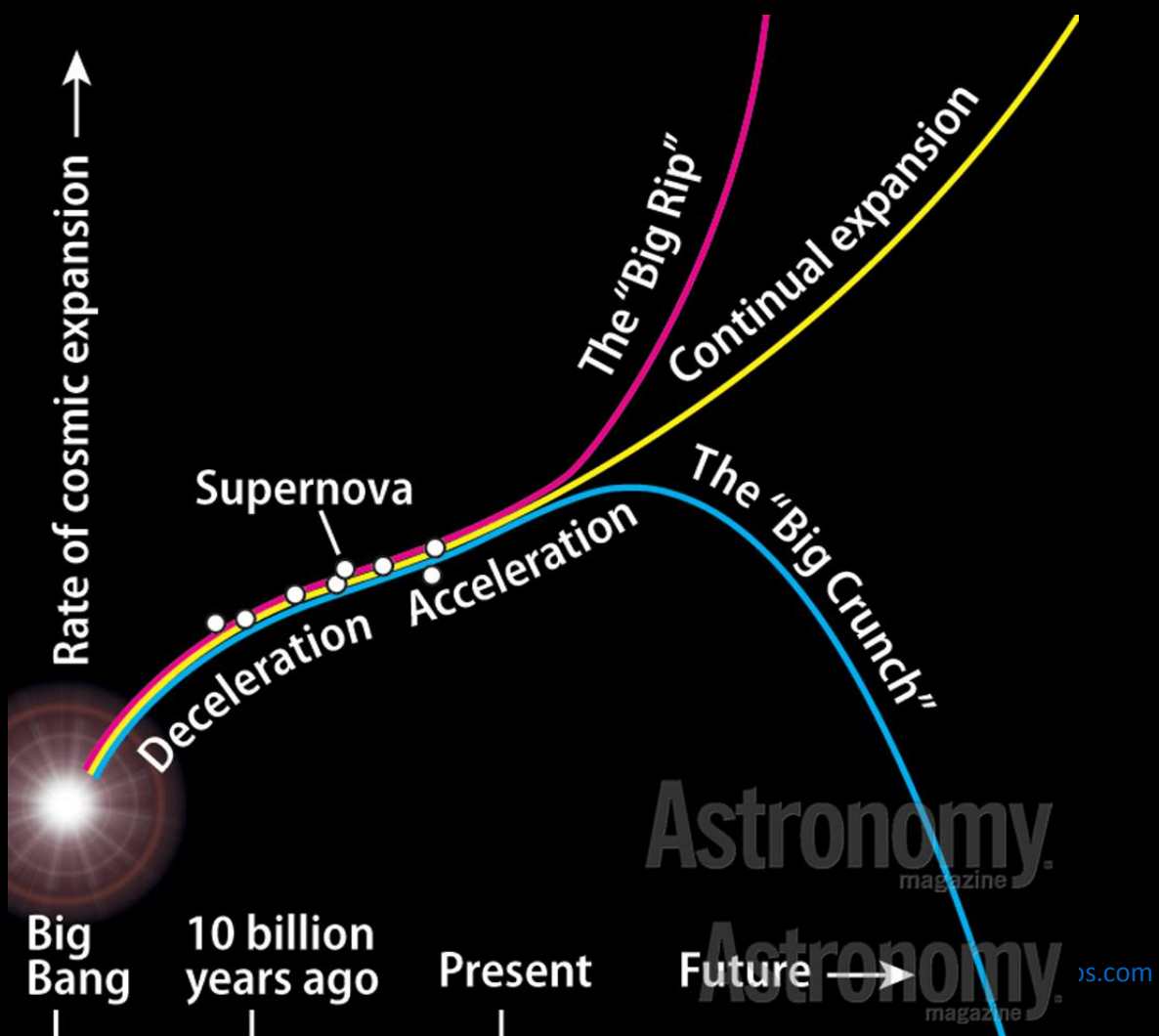
nahi hai. Allah ne farmaya ke Usne jaise is Kainat ko banaya waise he Qayamat ke baad usi steps me nayi Kainat banegi. Jo ke Big Rip ke baad possible nahi.

**Islam ki batayi hui Qayamat me Big Rip fit nahi hota.**

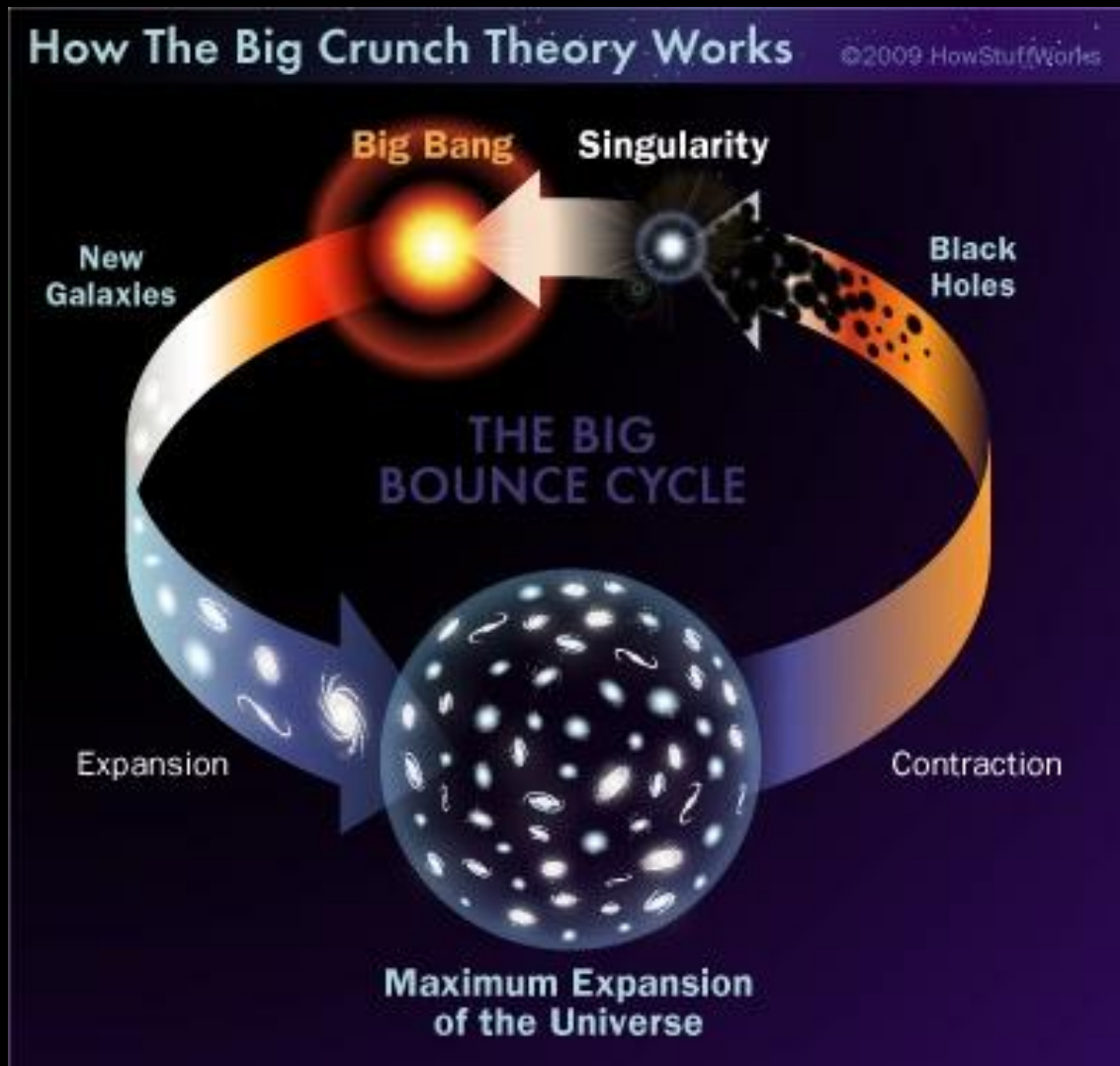
To is wajah se bahot saare Musalman “Big Crunch” ko Qayamat samjte hain. To dekhte hain Big Crunch kya hai.

## 2. BIG CRUNCH

Big crunch ye hai ke dark energy jo universe expand karti chali jarahi hai, us dark energy ka asar khatam hojayega ek arse ke baad, aur fir gravity ki wajah se dhire dhire saari galaxies aur materials kareeb aane lagenge aur kareeb aate aate itne kareeb hojayenge ke ek dusre se takraane lagenge. Aur fir collective gravity is universe ko wapas waisa bana degi jaise big bang ke waqt thi yaani ek singularity. Ye hai Big Crunch scenario yaani universe ka apne original form me wapas jana. Iska naam hai Big Crunch



Jab universe wapas "pre big bang" state me chala jayega to wo potentially fir expand hona shuru hojayega aur nayi kainat banegi. Isko "Oscillatory Universe" theory bhi kehte hain.



Ab Big Bang ko yani Kainat ki ibteda ko takreeban 1400 karod saal hone aaye hain. Yaani Kainat 1400 karod saal se expand hoti jarahi hai aur jaise abhi humne dekha ke uski expansion rate badhti jarahi hai, to matlab hua ke universe ki expansion agar kisi din thamne lage to abhi usko bahot lamba arsa hai puri tarah thamne ko. Aur Quran ke mutabiq ye mumkin nahi kyunki Allah Ta'ala ne saaf

farma diya ke Hum Kainat ko expand karte chale jarahe hain. To jis din ye hoga Quran ki ye Aayat valid nahi rahegi jo ke mumkin nahi (nasikh o mansukh alag subject hai, yaha alag baat horahi hai). To Kainat ko itni badi banne me jo aaj nazar aati hai, takreeban 1400 karod saal lage, itni zyada expansion hui hai ke estimate ke hisab se kainat 25 trillion light years jitni badi hosakti hai AAJ. Lekin jo observable part hai wo sirf 92 billion light years jitna bada hai. Dark energy saaf taur par gravity se zyada taqatwar hai, dark energy ne Kainat ko itna bada kardiya, to agar ye dark energy kisi din, for example aaj ke din kisi wajah se bilkul khatam hogayi to fir gravity ko challenge karne wala koi nahi bachega aur Kainat fir contract hona shuru hogi. Agar aaj kaint ki expansion bilkul ruk jaati hai aur gravity wapas apna control paati hai to Big Crunch aajse kumse 9200 karod saal to lagenge kyunki isse fast fir chizen light speed se zyada ek dusre se kareeb aayengi jo ke possible nahi. Ye to observable part ko agar puri Kainat maane to ye number hai, observable universe ke beyond bhi Kainat hai, usko shumaar kare to bahot zyada time aur lagega 100000 karod saal bhi zyada.

Log Big Crunch ko Qayamat in Aayaat ki wajah se mante hain:

يَوْمَ نَطْوِي السَّمَاءَ كَطَيِّ السِّجِلِّ لِلْكُتُبِ كَمَا بَدَأْنَا أَوَّلَ خَلْقٍ نُعِيدُهُ وَعَدَّا عَلَيْهَا إِنَّا كُنَّا فَاعِلِينَ

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TAKHLEEQ KO DOHRAENG. Ye wada pura karna Humne laazim karliya hai. Hum (ye i'adah) zarur karnewale hain.

Surah Ambiya 21:104

يَوْمَ تُبَدَّلُ الْأَرْضُ غَيْرَ الْأَرْضِ وَالسَّمَاوَاتُ وَبَرَزُوا لِلَّهِ الْوَاحِدِ الْقَهَّارِ

Aur jis din (ye) zameen dusri zameen se badal di jayegi aur jumla aasman bhi badal diye jayenge aur sablog Allah ke rubaru haazir honge Jo ek hai sab par gaalib hai.

Surah Ibrahim 14:48

وَالسَّمَاءِ ذَاتِ الرَّجْعِ  
وَالْأَرْضِ ذَاتِ الصَّدْعِ  
إِنَّهُ لَقَوْلُ فَصْلٍ  
وَمَا هُوَ إِلَّا هَزْلٌ

Aur aasmani kainat ki kasam jo fir ibtedaayi halat me jaane waali hai.

Us zameen ki kasam jo phat kar (reza reza) hojane waali hai.

Beshaq ye faisla kun (katyi) farman hai.

Aur ye hasi ki baat nahi hai

Surah Tariq 86: 11,12,13,14



فَإِذَا انشَقَّتِ السَّمَاءُ فَكَانَتْ وَرْدَةً كَالدِّهَانِ

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Aur jis din aasman pighle hue taambe ki tarah hojayega.

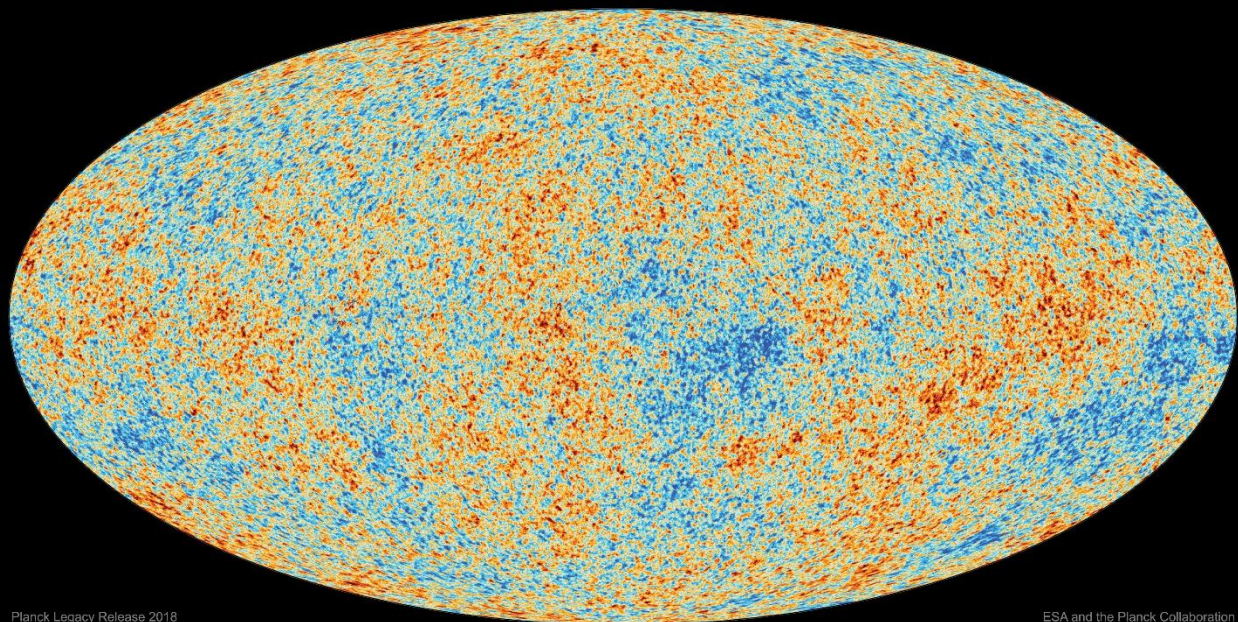
Surah Ma'arij 70:8

Big Crunch me aasman to lapeta jaraha hai, uske lapetne ki wajah se mass concentrate horaha hai aur light ko gravity khinchkar redshift karrahi hai aur stars ki surface me thermonuclear exploions horahe hain jisse wo pighle hue tambe ki tarah nazar aayenge, Kainat wapas kuch lamhe keliye primordial soup ban jayegi jaise Big Bang ke waqt thi, fir Big Bang singularity ki tarah wapas ek point me sama jayegi jisse may be nayi kaina ban jaye firse. Is process me Black holes bhi banenge. Magar Big Crunch me na earth pe zalzala aaraha hai, na ye palak jhapakte horaha hai, na suraj ki roshani khatm horahi hai na stars explode horahe hain aur na ye insanīyat ki lifetime me horaha hai, aaj crunch shuru hua to 10000 se 100000 karod saal lagenge pura hone ko.

**Islam ki batayi hui Qayamat me Big Crunch fit nahi hota, na Islamically aur na he ye scientifically likely hai.**

### 3. BIG FREEZE

Big Freeze yaani Kainat ki “Heat Death. Ye hai ke Kainat expand hoti chali jayegi magar itni fast nahi ke Big Rip ho aur na kabhi iski expansion rukegi ke Big Crunch hojaye. To universe expand hote hote, itna lamba arsa bit jayega ke universe ka temperate “absolute zero” hojayega. Absolute zero yaani 0 Kelvin ya -273.15 degree Celsius. Big Bang ke pehle second ke kharabwe kharabwe hisse me Kainat ka temperature 10000000000000 se zyada tha. Fir 1400



Planck Legacy Release 2018

ESA and the Planck Collaboration

karod

Cosmic Microwave Background Radiation | Planck Satellite

saal ki expansion ki wajah se thanda hote hote aaj Kainat ka temperature -270 degree Celsius hai jo Cosmic Microwave Background Radiation ko dekhkar pata chalta hai. Jab kisi chiz ka temperature absolute zero ko pahunch jata hai to uski saari energy

khatam hojati hai, even Quantum fluctuations bhi khatam hojate hain. Agar universe ko Big Rip

aur Big Crunch, ononahi hote to 1E1000 saalon ke baad, (ye itna bada number hai ke “1” ke baad kai lines tak “0” likhne padenge yaani unimaginably lamba time period. To itna time ho to tab Kainat ka temperature exactly -273.15 degree Celsius hojayega aur Kainat ki heat death hojayegi. Lekin itne lambe arse me obviously Kainat me jo kuch bhi bada structure hai sab kabka khatam hochuka hua.

**Islam ki batayi hui Qayamat me Big Freeze bilkul bhi nahi fit hota aur na Quran me iska ishara milta hai.**

Agar Big Freeze he Kainat ka end hai to ye itna bada arsa isko hai ke isko “forver” bhi kehsakte hain.

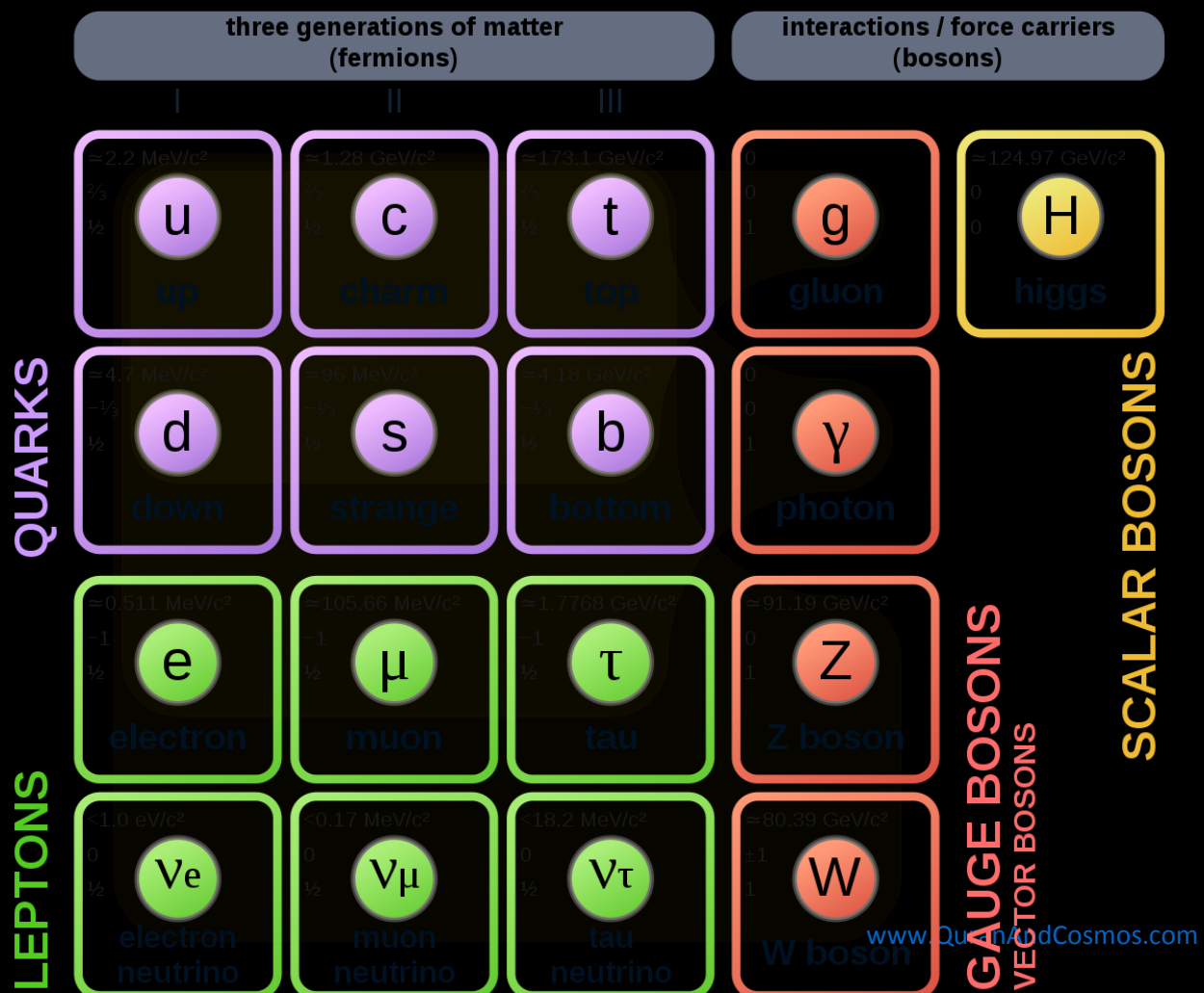
To agar Big Rip bhi Qayamat nahi hai, Big Crunch bhi Qayamat nahi aur Big Freeze bh Qayamat nahi hai, to fir Qayamat me kaunsa scientific scenario fit hota hai?

**YE WALA:**

## 4. VACUUM DECAY

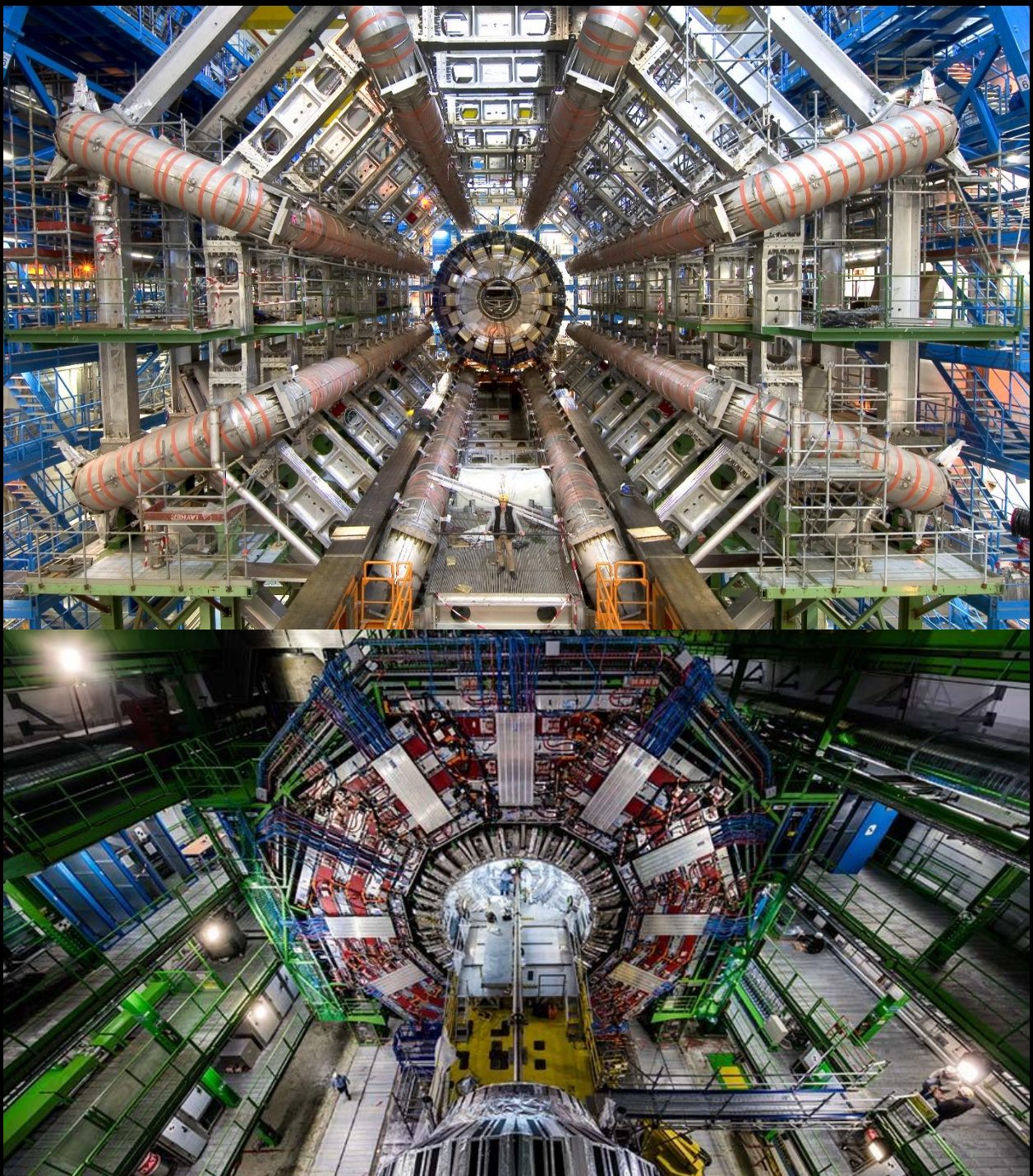
Vacuum ka matlab hota hai ke jaha kuch bhi nahi. Glass me jisme aadhe tak paani ho, wo bhi pura bhara hota hai kyunki uske baaki hisse me hawab hoti hai. Vacuum yaani jaha hawa bhi na ho, koi atom na ho, bilkul k

haali jagah, usko Vacuum kehte hain. Vacuum yaani completely empty space, lekin surprisingly, hamari is Kainat me hum me Vacuum bhi puri tarah se empty nahi hai kyunki hamari is Kainat me vacuum ki bhi ek energy hai jisko vacuum energy kehte hain. Ye





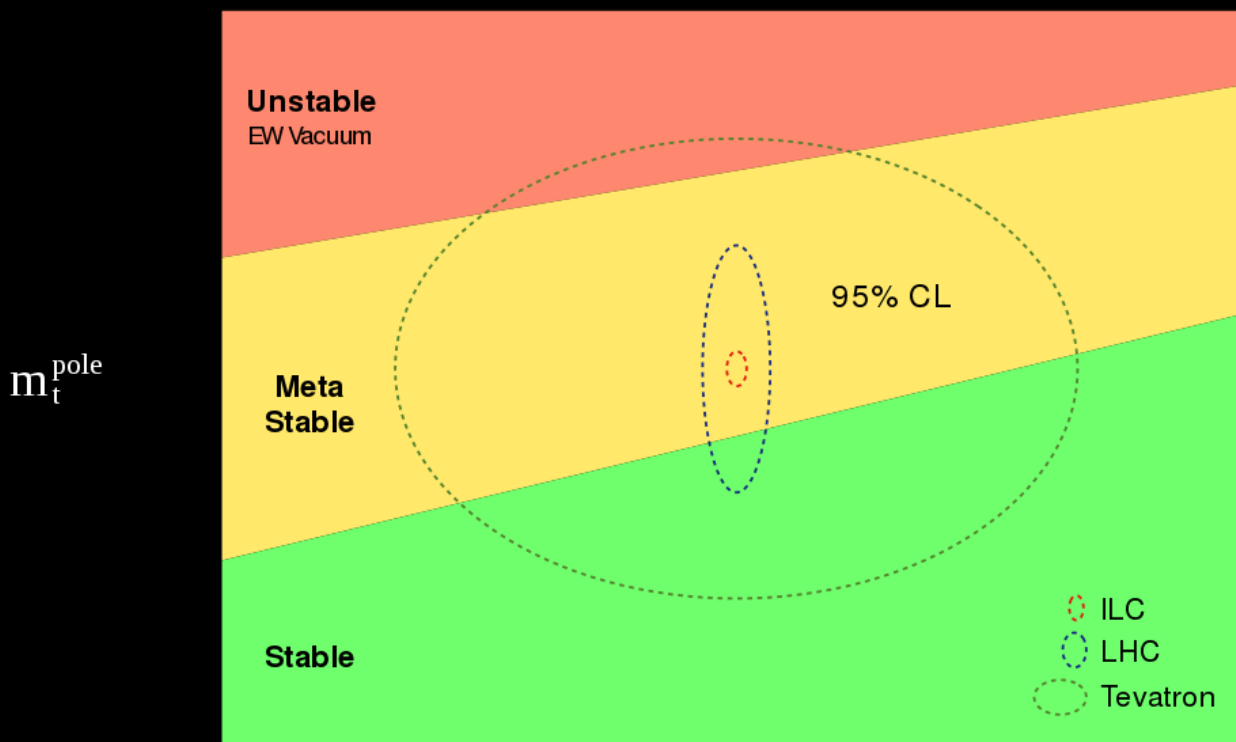
wo sabse fundamental energy hai jisse Kainat me sab kuch hai. Kainat atoms se bana hai aur atoms subatomic particles se jaise electron, quarks (quarks se Proton aur Neutron bante hain), etc. In saari chizon "Standard Model of Particle Physics" kehte hain aur pichle 100-150 saalo me ek ek karke wo saare detect hue they siwaye ek ke. Aur wo sabse important piece tha jisse Kainat ki shar shaye ko "wazan" milta hai, wo hai Higgs Boson.



Higgs Boson ko dhundhne keliye CERN ne Large Hadron Collider (LHC) banaya jo 27 km lambi tube hai jisme Hadrons yaani Protons ko near-light speed se accelerate karke ekdusre se takraya jaata hai jisse wo Protons aur saari energy fundamental particles me convert hoti hai aur detectors inko detect karte hain. Bil aakhir 2012 me Higgs Boson detect hua aur Standard Model pura hua. Lekin is Higgs Boson ki energy 125 GeV thi. Fir kai baar Higgs aur detect hua aur uski value 125 GeV he thi jo ke theoretically bhi utni he predict hui thi.

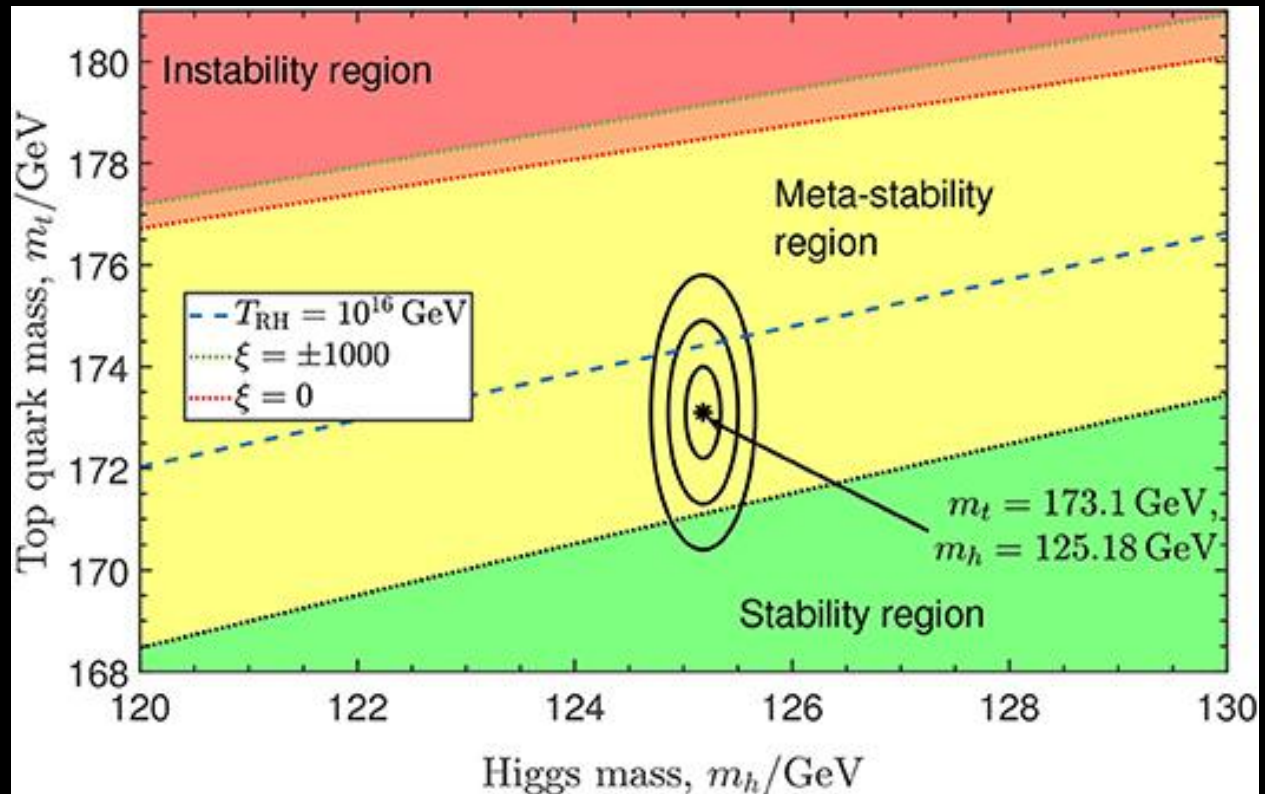
Isse pata chala ke hum yaani hamari universe most certainly “False Vacuum” me hai. Yaani vacuum bhi minimum energy level pe nahi hai, vacuum hai magar truly vacuum nahi yaani False Vacuum hai.

3 tarah ke states hain: Stable, Unstable aur Metastable.





Stable state yaani ye salamat rahega, unstable state yaani ye immediately khatam hota hai aur Metastable yaani unstable magar immediately khatam nahi hota, prolonged instability.



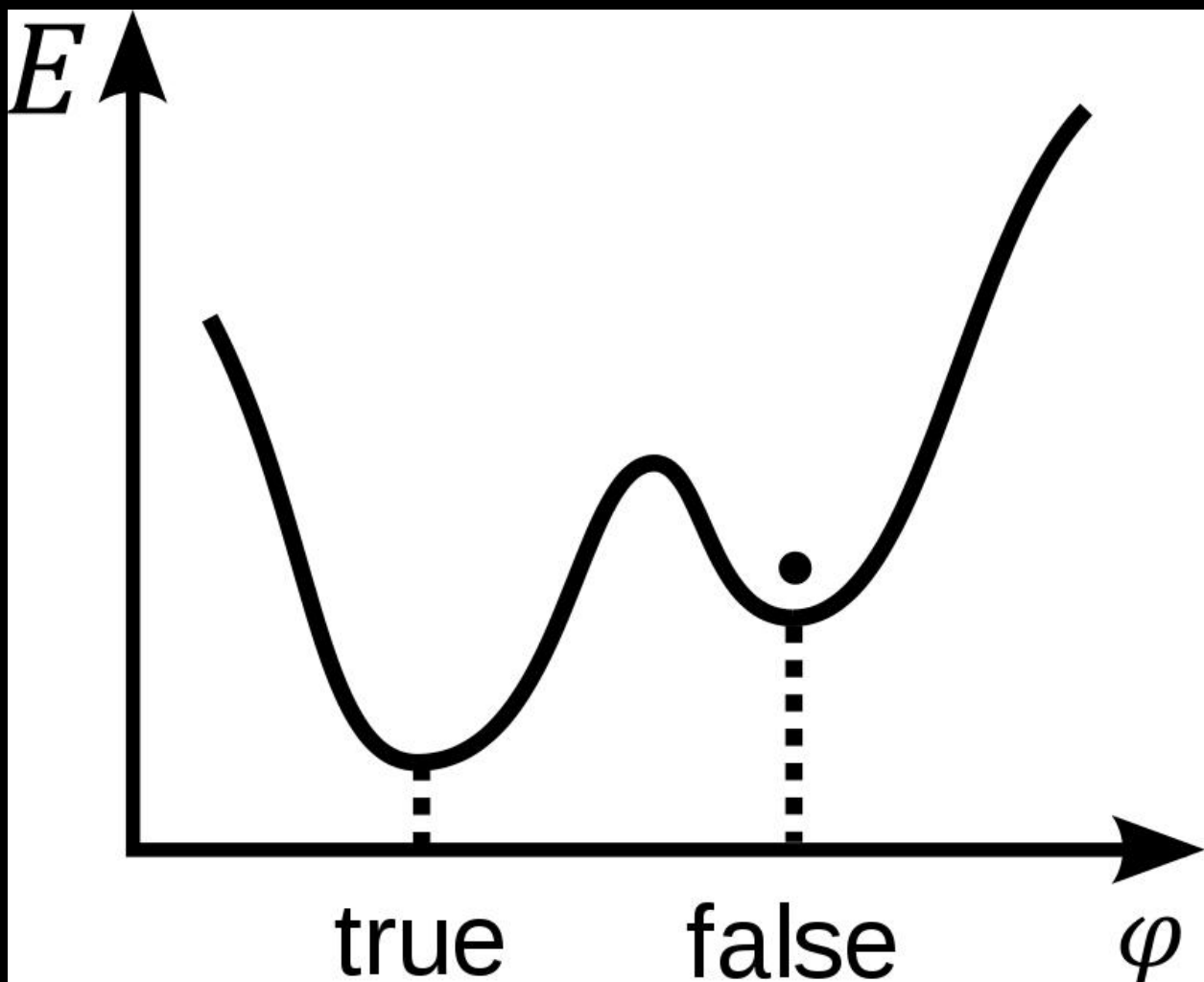
To hamari Kainat ka vacuum metastable state me hai. Future particle accelerators se false vacuum ki energy aur zyada precisely calculate hogi, lekin abhi se he evidence mil rahe

hain ke hum metastable state me hain, yaani ek din False vacuum True vacuum ki taraf jayega.

Ab 2 important sawal ke ye kaise hoga aur isse kya farak padega?



Quantum mechanics me ek real phenomenon hai jisko Quantum Tunneling kehte hain. Isme ye hota hai ke koi particle for example ek electron kisi barrier ke paar chala jata hai. Hum kisi deewar ke paas khade ho to automatically deewar ke dusre baazu nahi jaskte. Lekin Quantum mechanics ki duniya me waqeyi me hota hai aur kyunki hum bhi inhi quantum parcticles se bane hain to agar hum kisi deewar ke paas khade ho to hum uske dusre side ekdum se pahunch jayenge, lekin aisa hone ko sufficiently large time tak rukna hoga. Quantum Tunneling ke is feature ko electronic circuits me istemal bhi kiya jata hai kaise ke semiconductors ko banana me. To agar koi Higgs particle false vacuum state se quantum tunnel karke true vacuum state me chala gaya to isse chain reaction sa shuru hojayega aur har particle ture vacuum me aane ko dekhega.



Jab aisa hoga to isma matlab hai ke Kainat ki fundamental enery ki value change honge algi aur isse saare subatomic particles khatam hone lagenge. Ek bubble se banega jo light speed se sab kuch khatam karta chala jayega.

False vacuum, universe ke true vacuum state par ek BOJH hai aur ek din ye bojh “halka” hoga jab Kainat apne real minimal energy state me aane ko dekhegi.

Ab isme gaur karne ke baad jo scientists Sidney Coleman aur Frank De Luccia ne ek scientific paper likha aur usme unhone mathematics ko use karke bataya ke jaise he tre vacuum ka bubble banega yaani false vacuum ko decay karne lagega aur expand hone lagega to uska inner par gravitationally unstable hoga aur immediately wo area ek black hole me collapse hojayega.

Unhone ek almost sad poetic line likhdi ye baatane ke baad:

“This is disheartening. The possibility that we are living in a false vacuum has never been a cheering one to contemplate. **Vacuum decay is the ultimate ecological catastrophe**; in a new vacuum there are new constants of nature; after vacuum decay, not only is life as we know it impossible, so is chemistry as we know it.

However, one could always draw stoic comfort from the possibility that perhaps in the course of time the new vacuum would sustain, if not life as we know it, at least some creatures capable of knowing joy. This possibility has now been eliminated.”

(Paper: Gravitation effects on and of vacuum decay: Sidney Coleman and Frank De Luccio)

To is false vacuum ka true vacuum state me jaane ko Vacuum Decay kehte hain. Ab vacuum decay ki khaas baat:

1. Ye kabhi bhi kahi bhi shuru hosakta hai.
2. Ye Kainat me multiple locations pe start hosakta hai.
3. Isme black holes banenge
4. Jab bahot saare black holes banenge to merge hona shuru honge unke darmiyan gravitational waves paida honggi. Aur merger ke waqt koi bhi chiz kareen ho to wo atoms me convert hojayegi vibration ki wajah se.
5. Gravitation waves ki apni sound hoti hai jisko LIGO detections me aap sun sakte hain
6. Black holes ki wajah se light redshift hogi
7. Stars aur planets violent tarike se khatam honge.
8. Agar ye decay earth ke paas bhi shuru hua to palak jhapakane se pehle earth aur sab kuch khatam hojayega.
9. True vacuum bubble 3 dimensions me hoga
10. Kainat ek bada black hole banjayegi aur may be uske andar nayi singularity hogi.



Hamare Islam ki batayi hui Qayamat me jo jo chizen hongy wo sab Vacuum Decay me nazar aati hain.

- Qayamat palak jhaptke hojayegi,
- Usme aasman lapetag jayega, ye 3 dimensional lapetna hoga jo ke “expanding true vacuum bubble” me fit hota hai.
- Gravitational Waves se jis chiz me se guzarti hai usko stretch aur squeeze karti hai. Earth pe planet-wide bhukanp (zalzala) apne aap generate nahi hosakta. Lekin agar koi 2 chote blackhole jinki size sirf ek chote shehar jitni bhi ho, agar wo merge hone lage to gravitational waves jo nikalte hain wo itne

powerful hote hain ke planet kya agar oi star bhi kareeb ho to star phat jayega itna zyada stretching and squeezing hoti hai.

- To us waqt jo black holes banenge true vacuum bubble ke collapse hone se wo kareeb honge aur merge hona shuru honge jisse gravitational waves earth tak aayengi powerful state me aur purey earth ko hila ke rakhdenge.
- Gravitational waves me literally gravity upar niche hoti hai. To is constantly violent shake se earth ke upar jo bhi hai sab earth se disconnect honge aur inme sabse badi chizen hai Pahad. Pahad zameen se toot jayenge aur upar niche udne lagenge aur fir zameen zor se takrakar reza reza hojayenge.
- Earth pura smooth hojayega kyunki uske upar jo bhi hoga gravity usko khatam kardegi.
- Vacuum decay ki khasiyat ye bhi hai ke ye alag alag jagah pe shuru hosakti hai aur may bhi Kainat me aaj kisi jagah shuru bhi hochuki ho.
- Jis bubble se earth se khatam hoga wo earth ke kareeb alag shuru hoga jisse fir earth pe jo bhi bacha tha wo palak jhapakne se kum waqt me khatam hojayega.



- Soor ki aawaz gravitation wave ki aawaz bhi hosakti hai ya fir true vacuum me badalte hue particles me horahe changes se vibration ki sound bhi hosakti hai. Wo dono case me sakht chinghad jaise he hogi kyunki ye dono event universal level pe horahe honge us waqt.
- Suraj ki roshani khatam hojayegi, wo ya to black hole me chali jayegi ya suraj he usme chala jayega. Jisse chand bhi chamakna band hojayaega.
- Jab sab kuch khatm hojayega, ek nayi Kainat ban jayegi naya



big bang hoga.

Ab saari chizen jo vacuum decay se pata chalti hai, Quran me exactly usi ke description ki Aayaat milti hain:

يَسْأَلُونَكَ عَنِ السَّاعَةِ أَيَّانَ مُرْسَاهَا قُلْ إِنَّمَا عِلْمُهَا عِنْدَ رَبِّي لَا يُجَلِّيهَا لِوَقْتِهَا إِلَّا هُوَ ثَقُلَتْ فِي السَّمَاوَاتِ وَالْأَرْضِ لَا تَأْتِيكُمْ إِلَّا بَغْتَةً يَسْأَلُونَكَ كَأَنَّكَ حَفِيٌّ عَنْهَا قُلْ إِنَّمَا عِلْمُهَا عِنْدَ اللَّهِ وَلَكِنَّ أَكْثَرَ النَّاسِ لَا يَعْلَمُونَ

Ye Aapse Qayamat ki nisbat daryaft karte hain ki uske qayim hona ka waqt kab hai?

Farma den ki uska ilm to sirf Mere Rab ke paas hai, usey apne waqt par Us (Allah) ke siwa koi zaahir nahi karega. **Wo aasmano aur zameen par bojhal hai. Wo tum par achanak aajayegi**, ye log Aapse (is tarah) sawal karte hain goya Aap uski khoj me lage hue hain, farma den ki Uska Ilm to mahaz Allah ke paas hai lekin aksar log (is haqiqat ko) nahi jaante.

Surah A'raf 7:187

وَلِلَّهِ غَيْبُ السَّمَاوَاتِ وَالْأَرْضِ وَمَا أَمْرُ السَّاعَةِ إِلَّا كَلَمْحِ الْبَصَرِ أَوْ هُوَ أَقْرَبُ إِنَّ اللَّهَ عَلَى كُلِّ شَيْءٍ قَدِيرٌ

Aur aasmano aur zameen ka (sab) gaib Allah he keliye hai aur Qayamat ke bapa honey ka waqiya is qadar tezi se hoga JAISE



AANKHON KA JHAPAKNA ya usse bhi teztar, beshaq Allah har chiz par bada qaadir hai.

Surah Nahl 16:77

يَوْمَ تُبَدَّلُ الْأَرْضُ غَيْرَ الْأَرْضِ وَالسَّمَاوَاتُ وَبَرَزُوا لِلَّهِ الْوَاحِدِ الْقَهَّارِ

Aur jis din (ye) zameen dusri zameen se badal di jayegi aur jumla aasman bhi badal diye jayenge aur sablog Allah ke rubaru haazir honge Jo ek hai sab par gaalib hai.

Surah Ibrahim 14:48

وَالسَّمَاءِ ذَاتِ الرَّجْعِ

86: 11 Aur aasmani kainat ki kasam jo fir ibtedaayi halat (primitive state) me jaane waali hai.

Surah Tariq 86:11

Kainat me koi bhi structre baaki nahi bachega, wo pehle ki tarah primordial soup banker singularity me convert hojayegi.

إِذَا زُلْزِلَتِ الْأَرْضُ زِلْزَالَهَا

99:1 Jab zameen apne sakht bhunchaal se badi shiddat ke saath thar tharaayi jayegi

Suarh Zilzal 99:1

يَا أَيُّهَا النَّاسُ اتَّقُوا رَبَّكُمُ إِنَّ زَلْزَلَةَ السَّاعَةِ شَيْءٌ عَظِيمٌ  
يَوْمَ تَرَوْنَهَا تَذْهَلُ كُلُّ مُرْضِعَةٍ عَمَّا أَرْضَعَتْ وَتَضَعُ كُلُّ ذَاتِ حَمْلٍ حَمْلَهَا وَتَرَى النَّاسَ  
سُكَارَى وَمَا هُمْ بِسُكَارَى وَلَكِنَّ عَذَابَ اللَّهِ شَدِيدٌ

22:1,2: Ay logo! Apne Rab se darte raho. Beshaq Qayamat ka  
Zalzala badi sakht chiz hai.

Jis din tum usey dekhoge har dhood pilaane waali (maa) us  
(bachhe) ko bhul jayegi jisey wo dhood pila rahi thi aur har hamal  
waali aurat apna hamal gira degi aur (ay dekhne waale!) tu logo ko  
Nashe (ki halat) me dekhega halanki wo (fil haqiqat) nashe me nahi  
honge lekin Allah ka azaab (he itna) sakht hoga (ki har shakhs  
hawas baakhta hojayega).

Surah Hajj 22:1,2

[Nashe me sab chizen upar niche nazar aati hain, Qayamat ke Din  
gravitational waves har chiz ko upar niche karegi, jisse insan ko aisa  
lagega jaise wo nashe me hai halanke wo haqiqat ko dekh raha hai]

وَإِذَا الْأَرْضُ مُدَّتْ

84:3 Aur jab earth ko faila diya jayega.

Surah Inshiqaq 84:3

يَوْمَ تَمُورُ السَّمَاءُ مَوْرًا

52:9 Aur jis din aasman sakht thartharaahat ke saath larzega.

Surah Tur 52:9

وَيَسْأَلُونَكَ عَنِ الْجِبَالِ فَقُلْ يَنْسِفُهَا رَبِّي نَسْفًا

20:105: Aur Aapse ye log pahadon ki nisbat sawal karte hain so farma dijiye: Mera Rab unhe reza reza karke uda dega.

Surah Taha 20:105

وَاسْتَمِعْ يَوْمَ يُنَادِ الْمُنَادِ مِنْ مَّكَانٍ قَرِيبٍ

يَوْمَ يَسْمَعُونَ الصَّيْحَةَ بِالْحَقِّ ذَلِكَ يَوْمُ الْخُرُوجِ

Aur khoob sun lijiye jis din ek pukaarne wala KARIBI JAGAH se pukarega.

Jis Din log sakht chinghaad ki aawaz ko bil yakin sunenge, yehi kabro se nikalne ka Din hoga.

Surah Qaf 50:41,42

إِذَا الشَّمْسُ كُوِّرَتْ

وَإِذَا النُّجُومُ انْكَدَرَتْ

Jab suraj lapetkar bay-noor kardiya jayega

Aur jab sitare gir padenge (collapse hojayenge).

Surah Takwir 81:1,2

إِذَا السَّمَاءُ انْفَطَرَتْ  
وَإِذَا الْكَوَاكِبُ انتَثَرَتْ

Jab (sab) aasamani kurre phat jayenge.

Aur jab saiyare (planets) gir kar bikhar jayenge.

Surah Intifar 82:1,2

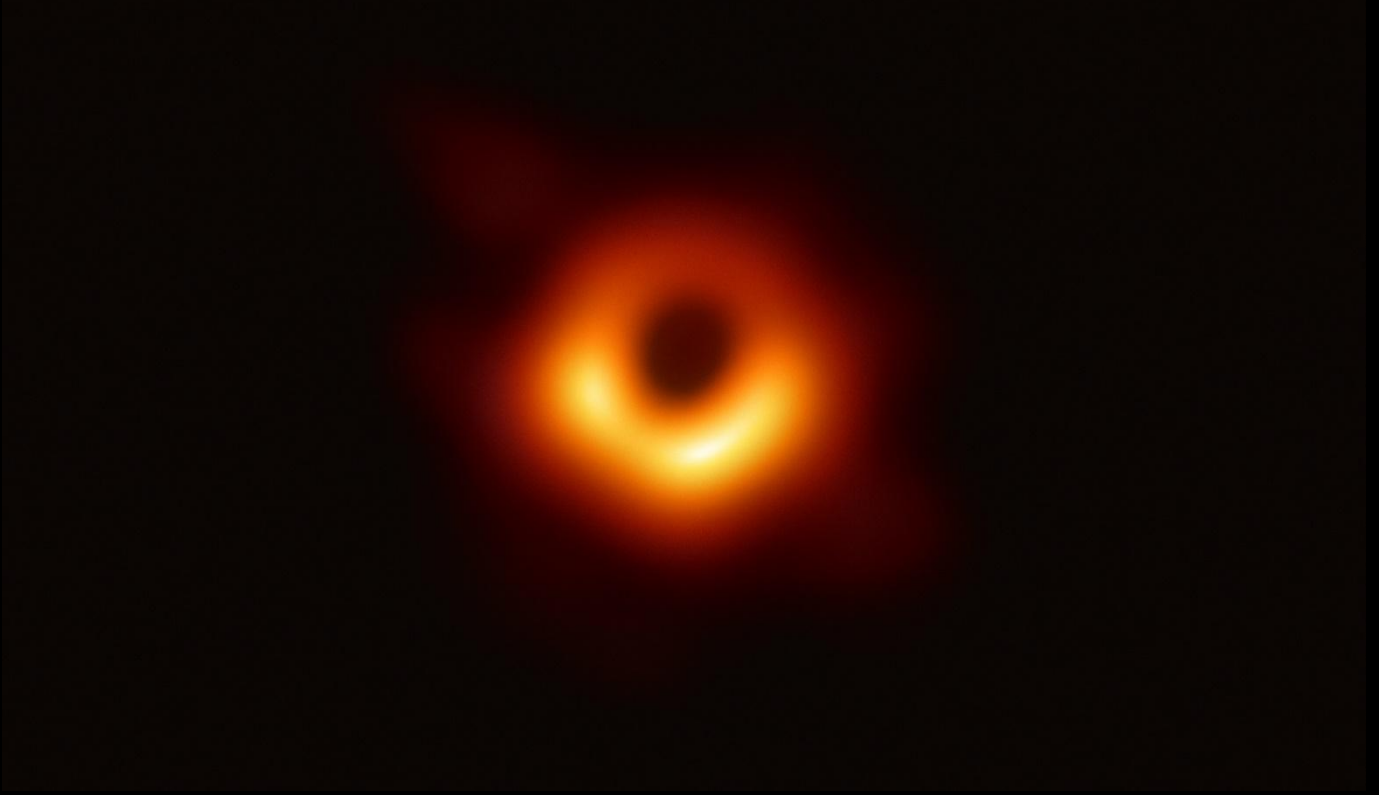
إِذَا السَّمَاءُ انشَقَّتْ

Jab (sab) aasmani kurre phat jayenge.

Surah Inshiqaq 84:1

**Aasman me har jagah Black holes he Black Holes hona**

## Event Horizon Telescope



وَانشَقَّتِ السَّمَاءُ فَهِيَ يَوْمَئِذٍ وَاهِيَةٌ

Aur sab aasmani kurre (stars, planets) phat jayenge aur ye kainat  
SHIGAFON (HOLES) par mushtamil hojayegi

Surah Haqqah 69:16

وَفُتِحَتِ السَّمَاءُ فَكَانَتْ أَبْوَابًا

Aur aasman phaad diye jayenge to “darwaze” he “darwaze  
hojayenge.

Surah Naba 78:19

فَإِذَا النُّجُومُ طُمِسَتْ

Phir jab sitaron ki roshani zaayil kardi jayegi

Surah Mursalāt 77:8

وَإِذَا السَّمَاءُ فُرِجَتْ

Aur jab aasmani Kainat me shigaaf (holes) hojayenge.

Surah Mursalāt 77:9

**Hamare Islam ki batayi hui Qayamat ka “Vacuum Decay” he most likely scenario hai.**

Ab aur ek badi khaas baat, scientific community ya in general scientifically educated tabqe me ye discussion chalti rehti hai ke End of Universe ka exact tariqa kya hoga, big rip hoga ya big crunch, etc

Yaani log Qayamat ke physics pe debate karrahe hain. Quran me is debate ka bhi ishara milta hai:

عَمَّ يَتَسَاءَلُونَ

عَنِ النَّبَاِ الْعَظِيمِ

الَّذِي هُمْ فِيهِ مُخْتَلِفُونَ  
 كَلَّا سَيَعْلَمُونَ  
 ۚ كَلَّا سَيَعْلَمُونَ

Ye log aapas me kis se mutalliq sawal karte hain

(Kya) us Azeem Khabar se mutalliq

Jiske bareme wo ikhtelaf karte hain

Hargiz nahi! Wo ankareeb (is haqiqat ko) jaan lenge.

Phir hargiz nahi! Wo ankareeb jaan lenge

Surah Naba 78:1,2,3,4,5

**Azeem Khabar yaani Qayamat.**

**Wa-Allahu wa Rasooluhu [SallAllahu Alaihi wa Aalihi wa Sallam]  
 Aalam bis Sawab**

**Aur Allah aur Uska Rasool he behtar jaante hain [SallAllahu Alaihi  
 wa Aalihi wa Sallam]**



Agar ye sab sahi hai to isme mera koi kamaal nahi ye Allah Ta'ala Khaliq-e-Kainat ka sachha Kalaam hai Jisko Uske Sachhe Rasool Sayyeduna Muhammad-e-Mustafa [SallAllahu Alaihi wa Aalihi wa Sallam] ne hum tak pahunchaya hai. Aur agar maine galti ki hai to mere samjhne me galti hui hai Allah ka Kalaam sachha hai aur Uska Habib bhi sachha hai. SallAllahu Alaihi wa Aalihi wa Sallam.

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Allahumma Salle Ala  
Sayyedina wa Maulana Muhammad  
wa Ala Sayyedina Aliyyuw  
wa Sayyedatina Fatimah  
wa Sayyedatina Zainab  
wa Sayyedina Hasan  
wa Sayyedina Hussain  
wa Ala Aalihi wa Sahbihi wa Baarik wa Sallim